Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/10/2020 10:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125220	0	3.05	125297	3.05
Blue	F	SSC	125000	124686	-1	1.62	125499	1.61
Blue	E	FITC	16433	15942	-3	2.79	347	20.36
Blue	D	PE	27595	27327	-1	1.99	596	14.83
Blue	B	PerCP-Cy5-5	43183	43581	0	3.72	1168	20.26
Blue	A	PE-Cy7	31943	32265	1	6.11	613	41.12
Red	C	APC	42819	42261	-2	2.49	1494	12.11
Red	A	APC-Cy7	31261	30559	-3	2.35	809	11.83
Violet	B	V450	6527	6282	-4	4.64	352	13.66
Violet	A	V500	24533	23486	-5	4.36	546	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17664	17.50	618	18	N/A	N/A	Pass
Blue	F	SSC	56723	1.18	557	9	N/A	N/A	Pass
Blue	E	FITC	64	62.06	543	4	0.0186	68	Pass
Blue	D	PE	125	49.42	541	7	0.1572	257	Pass
Blue	B	PerCP-Cy5-5	213	50.80	656	14	0.0093	87	Pass
Blue	A	PE-Cy7	114	102.05	704	15	0.0108	18	Pass
Red	C	APC	356	25.37	582	-1	0.0247	166	Pass
Red	A	APC-Cy7	179	28.66	562	-1	0.0058	1104	Pass
Violet	B	V450	53	60.89	453	-2	0.0448	1790	Pass
Violet	A	V500	81	36.63	464	-3	0.0205	901	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.30	-31.67	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.49	13.60 - 20.40	N/A	N/A	29.24	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11139

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments